

Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT Application:

1. (Currently amended) Converter ~~(1)~~ of digital signals ~~(11)~~ received in modulated and multiplexed form, comprising means ~~(21)~~ for selecting ~~(T1-Tn)~~ at least one part of the said signals ~~(11)~~ by adjustment at at least one determined frequency and means for demodulating (DMD1-DMDn) the said parts, capable of producing at least one demodulated subsignal~~(12)~~,

the said converter ~~(1)~~ further comprising:

- means for demultiplexing ~~(22, DMX1-DMXn)~~ the said subsignals ~~(12)~~, designed to extract portions ~~(13)~~ of the said subsignals ~~(12)~~;

- means for remultiplexing ~~(23)~~ the said portions ~~(13)~~ extracted from at least one remultiplexed flow~~(14)~~;

- and means for transforming ~~(24)~~ said remultiplexed flow~~(14)~~, designed to modify said remultiplexed flow ~~(14)~~ in compliance with specific criteria for transmission to recipient receivers~~(R1-Rn)~~, said transformation means ~~(24)~~ being provided to modify said remultiplexed flow so as to make it comply with at least one communication protocol,

wherein ~~characterized in that~~ said converter ~~(1)~~ comprises a unit containing all of said means ~~(21-24)~~, as well as frequency downconversion means ~~(41)~~ of the digital signals received, upstream of said selection means ~~(21)~~.

2. (Currently amended) Converter (1) according to claim 1, characterized ~~in that it is~~ intended to convert digital signals (11) transmitted by satellite.
3. (Currently amended) Converter (1) according to ~~one of claims~~ claim 1 or 2, characterized ~~in that it is~~ designed to convert digital signals transmitted on terrestrially, in accordance with a communication technique chosen from a local multipoint telecommunications system and a multipoint distribution system.
4. (Currently amended) Converter (1) according to ~~any one of the~~ aforementioned claims claim 1, wherein characterized ~~in that~~ at least one of said communication protocols is a protocol for communication to a digital network, preferentially chosen from among the standards Ethernet, IEEE1394, IEEE802.11a, Hiperlan2 and a powerline communication protocol.
5. (Currently amended) Converter (1) according to ~~any one of the~~ aforementioned claims claim 1, wherein characterized ~~in that~~ the selection and demodulation means (21) are designed to select and demodulate transmission digital channels in order to produce said subsignals (12).
6. (Currently amended) Converter (1) according to ~~any one of the~~ aforementioned claims claim 1, wherein characterized ~~in that~~ the demultiplexing means (22) are designed to extract audiovisual programmes constituting at least some of the said portions (13).
7. (Currently amended) Converter (1) according to claim 6, wherein characterized ~~in that~~ the remultiplexing means (23) are capable of remultiplexing said portions (13) into MPEG transport streams constituting said remultiplexed flows (14).

8. ~~(Currently amended)~~ Converter (1) according to ~~any one of the~~ forementioned claims claim 1, characterized in that it also comprises further comprising means for extracting (25) transmission information (16) received from recipient receivers (R1-Rn), and in that the transformation means (24) are capable of determining the transmission criteria according to said transmission information.

9. ~~(Currently amended)~~ Converter (1) according to ~~any one of the~~ forementioned claims claim 1, characterized in that it also comprises further comprising means for extracting (25) extraction information (16) received from recipient receivers (R1-Rn), and in that the transformation means (24) are capable of determining said subsignals (12) and said portions (13) according to said extraction information.

10. ~~(Currently amended)~~ Converter (1) according to ~~any one of the~~ forementioned claims claim 1, characterized in that it also comprises further comprising means for modulating (27) feedback signals (17) from recipient receivers (R1-Rn).

11. ~~(Currently amended)~~ Converter according to ~~any one of the~~ forementioned claims claim 1, characterized in that it comprises further comprising means for receiving other digital signals received in modulated and multiplexed form and chosen from among the signals transmitted by cable and signals transmitted terrestrially in the UHF and VHF bandwidth, the said selection (21), demultiplexing (22), remultiplexing (23) and transformation (24) means also being intended to be applied to the said other signals.

12. (Currently amended) Conversion procedure for digital signals ~~(11)~~ received in modulated and multiplexed form, in which the received signals ~~(11)~~ are frequency downconverted, an adjustment at at least one determined frequency selects at least one part of said signals ~~(11)~~ and these parts are demodulated so as to produce at least one demodulated subsignal ~~(12)~~,

said procedure comprising the following steps:

- demultiplexing of said subsignals ~~(12)~~, so as to extract portions ~~(13)~~ of said subsignals ~~(12)~~,

- remultiplexing the said portions ~~(13)~~ extracted from at least one remultiplexed flow ~~(14)~~,

- and transformation of said remultiplexed flow ~~(14)~~ in accordance with specific criteria for transmission to recipient receivers ~~(R1-Rn)~~, so as to render the remultiplexed flow ~~(14)~~ compliant with at least one communication protocol,

wherein ~~characterized in that~~ all said stages of frequency downconversion, frequency adjustment, demodulation, demultiplexing, remultiplexing and transformation are carried out by means of the same device ~~(1, 51)~~,

said conversion procedure being preferentially implemented by means of a converter ~~(1)~~ in accordance with ~~any one of claims~~ claim 1 to 11.

13. (new) Receiver of multiplexed digital signals compliant with a communication protocol,

wherein said receiver comprises means for the preparation and transmission via uplink communication of transmission information, said transmission information comprising information on at least one communication protocol associated with the said receiver, said transmission information depending on the type of receiver or network to which it belongs

said receiver being preferentially designed to receive a remultiplexed flow from a converter according to claim 1.